

EcoBlue

HIGHLIGHTS

- Monocular, binocular and trinocular models with WF10x/18 mm eyepiece(s)
- Models with integrated 5.0 MP CMOS camera
- Models for polarization applications
- Provided with APL (Anti-bacterial Protection Layer)
- Revolving nosepiece with four achromatic objectives
- Models with integrated mechanical stage available
- Coaxial coarse and fine adjustments with rack stop
- Height adjustable Abbe condenser with iris diaphragm and filter holder
- 1 W LED or NeoLED™ illumination
- Models without X-Y mechanical stage have internal 100-240 Vac power supply. No batteries
- Models with X-Y mechanical stage have rechargeable AA batteries and external 100-240 Vac mains/charger adapter
- Ergonomic stand
- Warranty 5 years

TECHNICAL SPECIFICATIONS

EYEPIECE(S)

- Wide field WF 10x/18 mm eyepiece with pointer
- The eyepieces of the binocular and trinocular models are supplied without pointer

HEAD

- Monocular models with 45° inclined tubes
- Binocular and trinocular models have 30° inclined tubes
- The interpupillary distance is adjustable between 48 and 75 mm
- All binocular and trinocular models have a diopter ± 5 diopter adjustment on left tube
- All heads are 360° rotatable
- Models with an integrated USB-2 camera are supplied with a 5.0 MP 1/2" CMOS sensor with 2560 x 1920 pixels resolution
- The EcoBlue can also be supplied with a discussion head

NOSEPIECE

- Revolving nosepiece for four objectives on ball bearings
- Models for polarization are supplied with swing-out analyzer

OBJECTIVES - 45 MM PARFOCAL

- Achromatic 4x/0.10, 10x/0.25, S40x/0.65 and S100x/1.25 objectives
- The S40x, S60x and S100x oil immersion objectives are spring loaded
- The HLED-S models for polarization are equipped with semi-plan objectives

All optics are anti-fungus treated and anti-reflection coated for maximum light throughput



EC.1001 ●

MONOCULAR MODEL EC.1001	355 (h) x 170 (w) x 220 (d) 2.48 kg
BINOCULAR MODEL EC.1152	360 (h) x 170 (w) x 214 (d) 2.95 kg
POLARIZATION MODEL EC.1001-P-HLED	360 (h) x 170 (w) x 214 (h) 3.35 kg

FOCUSING

- Coaxial coarse and fine adjustments, 200 graduations, 12.5 μ m per graduation, 2.5 mm per rotation, total travel approximately 15 mm
- Supplied with an adjustable rack stop to prevent damage to sample and objectives

STAGES

- Plain 123 x 119 mm stage with two non-removable object clamps (optional EC.9500 attachable 51 x 26 mm X-Y mechanical stage available)
- Plain 123 x 128 mm stage with integrated 70 x 27 mm X-Y mechanical stage
- The models for polarization are supplied with 129 mm circular stage, 360° rotatable and 2 object clamps

CONDENSER

- Height adjustable Abbe condenser N.A. 1.25 with iris diaphragm and filter holder
- The models for polarization have a rack & pinion adjustment, all other models carry a helicoidal adjustment

ILLUMINATION

- Monocular models are supplied with an adjustable 1 W LED illumination with integrated power supply
- Binocular and trinocular models are supplied with an adjustable 1 W NeoLED™ illumination system for increased light output
- Models EC.1151, EC.1152, EC.1153, EC.1652 and EC.1653 are supplied with rechargeable batteries and an external 100-240 V battery charger/mains adapter

DIGITAL MODELS

CAMERA

- The models for polarization are supplied with H-LED illumination for correct color rendering (very similar to the halogen light spectrum). With an integrated 100-240 V power supply, no batteries
- All the EcoBlue digital microscopes are equipped with a 5.0 MP CMOS USB-2 camera
- Maximum resolution 2560 x 1920, 24 bits color depth, up to 30 frames per second
- Delivered with the ImageFocus Plus software, USB-2 cable and a micrometer 1mm/100 slide
- Warranty for the camera is 2 years

ANTI-THEFT SLOT

At the back of the microscope a Kensington Security Slot is placed, which can be used to secure the instrument from theft

PACKAGING

- Supplied with power cord or mains adapter-charger, white filter, dust cover, spare fuse, user manual and 5 ml immersion oil for models with an S100x objective
- The EcoBlue models with external mains adapter and X-Y stage (EC.1x5x) are supplied with three rechargeable AA batteries
- All packed in a polystyrene box

SOFTWARE

- Delivered with ImageFocus Plus for capturing of images and videos
- The capture and analysis ImageFocus Plus software allows to save images in .jpg, .tif, .bmp or .dicom formats and videos in .avi format
- Images can be annotated and measurements can be performed on live or captured images
- Compatible with Windows 7, 8, 10 and 11, both 32 and 64 bits configurations
- A Mac OS version is also available
- Free updates can be downloaded from our website



APL (ANTIMICROBIAL PROTECTION LAYER)

Using the same technology already used extensively throughout the healthcare environment in wall coatings, patient lighting, air pressure stabilization and suction liners, APL prevents the growth of unwanted microbes that can cause degradation, discoloration, staining or odors of the Euromex microscopes



STANDARD MODELS

MODELS	Mono	Bino	Trino	4/10/40x objectives	S60x objective	S100x objective	Mechanical X-Y stage ⁽¹⁾	LED	NeoLED™	Batteries ⁽²⁾	Polarization ⁽³⁾
EC.1001	•			•				•			
EC.1101	•			•		•		•			
EC.1601	•			•	•			•			
EC.1051	•			•			•	•		•	
EC.1151	•			•		•	•	•		•	
EC.1651	•			•	•		•	•		•	
EC.1152		•		•		•	•		•	•	
EC.1652		•		•	•		•		•	•	
EC.1053			•	•			•		•	•	
EC.1153			•	•		•	•		•	•	
EC.1001-P -HLED-S	•			•				•			• ⁽⁴⁾
EC.1601-P -HLED-S	•			•	•			•			• ⁽⁴⁾
EC.1101-P -HLED-S	•			•		•		•			• ⁽⁴⁾
EC.1002-P -HLED-S		•		•					•		• ⁽⁴⁾
EC.1602-P -HLED-S		•		•	•				•		• ⁽⁴⁾
EC.1102-P -HLED-S		•		•		•			•		• ⁽⁴⁾
EC.1003-P -HLED-S			•	•					•		• ⁽⁴⁾
EC.1603-P -HLED-S			•	•	•				•		• ⁽⁴⁾
EC.1103-P -HLED-S			•	•		•			•		• ⁽⁴⁾

⁽¹⁾ Integrated mechanical stage with 70 x 27 mm X-Y travel range

⁽²⁾ With an external 100-240 V battery charger/mains adapter

⁽³⁾ Polarization models are supplied with a 129 mm round stage and semi-plan objectives and H-LED illumination (similar light spectrum as halogen)

⁽⁴⁾ Model with semi-plan objectives

DIGITAL MODELS

MODELS	Monocular	Binocular	4x/10x/S40x objective	S60x objective	S100x objective	Mechanical X-Y stage *	LED	NeoLED™
EC.1005	•		•				•	
EC.1105	•		•		•		•	
EC.1605	•		•	•			•	
EC.1007		•	•					•
EC.1107		•	•		•			•
EC.1607		•	•	•				•
EC.1055	•		•			•	•	
EC.1155	•		•		•	•	•	
EC.1655	•		•	•		•	•	
EC.1057		•	•			•		•
EC.1157		•	•		•	•		•
EC.1657		•	•	•		•		•

* Integrated mechanical stage with 70 x 27 mm X-Y travel range

ACCESSORIES AND SPARE PARTS

EYEPIECES

AE.5571	Wide field eyepiece WF 5x/18 mm
EC.6010	HWF 10x/18 mm eyepiece
EC.6010-M	Wide field HWF 10x/18 mm eyepiece with micrometer
EC.6015	HWF 15x/12 mm eyepiece
EC.6110	HWF 10x/18 mm eyepiece with micrometer
EC.6099	Pair of eyecups

OBJECTIVES - 45 MM PARFOCAL

EC.7004	Achromatic 4x/0.10 objective. Working distance 37.5 mm
EC.7010	Achromatic 10x/0.25 objective. Working distance 6.8 mm
EC.7020	Achromatic 20x/0.40 objective. Working distance 2.0 mm
EC.7040	Achromatic S40x/0.65 objective. Working distance 0.6 mm
EC.7060	Achromatic S60x/0.85 objective. Working distance 0.185 mm
EC.7000	Achromatic S100x/1.25 oil immersion objective. Working distance 0.195 mm

POLARIZATION ATTACHMENTS

- AE.5150** Simple polarization attachment. Polarizer 18 mm diameter mounted in eyepiece, analyzer 32 mm diameter placed in filter holder
- AE.5152** Simple polarization attachment. Analyzer mounted over eyepiece and analyzer 32 mm diameter in filter holder
- AE.5153** Simple polarization attachment. Analyzer mounted over eyepiece and 360° rotatable polarizer on table
- AE.5154** Polarizer in mount, to place over eyepiece

CAMERA ACCESSORIES

- AE.5130** Universal SLR camera adapter with 2x projection lens for 23.2 mm tubes. Need T2 adapter
- AE.5025** T2 adapter for Nikon D digital SLR cameras
- AE.5040** T2 adapter for Canon EOS digital SLR camera
- Other T2 adapters on request*

MISCELLANEOUS

- EC.9500** Attachable mechanical X-Y stage, translation range 51 x 26 mm, with double Vernier and separate horizontal adjustments knobs
- EC.9710** Frosted white filter
- EC.9981** 1 W LED replacement unit
- EC.9991** 1 W NeoLED™ replacement unit
- EC.9994** 1 W H-LED replacement unit
- EC.9975** External mains/charger adapter
100-240 Vac/5 Vdc (50/60 Hz)
- AE.5511** Discussion head without eyepieces. Delivered with two eyepieces when the head is ordered mounted on microscope
- AE.5202** Blue filter, diameter 32 mm
- AE.5203** Yellow filter, diameter 32 mm
- AE.5204** Neutral grey filter, diameter 32 mm
- AE.5205** Green filter, diameter 32 mm
- AE.5207** Blue filter plexiglass, diameter 32 mm
- SL.1379** Spare halogen 20 W 12 V bulb
for polarization models
- AE.9918** Nylon microscope bag (25 x 39 x 19 cm)
- AE.9912** Euromex dust cover medium (35 x 39 cm)



AE.9918 ●

AE.9912 ●



DISPOSABLES

- PB.5157-W** Microscope slides 76 x 26 mm, ground edges.
White frosted side, 50 pieces per pack
- PB.5157-B** Microscope slides 76 x 26 mm, ground edges.
Blue frosted side, 50 pieces per pack
- PB.5155** Microscope slides 76 x 26 mm, ground edges, 50 pieces
- PB.5160** Microscope slides 76 x 26 mm with cavity, grinded edges. 10 pieces per pack
- PB.5165** Cover glasses 18 x 18 mm, thickness 0.13-0.17 mm, 100 pieces
- PB.5168** Cover glasses 22 x 22 mm, thickness 0.13-0.17 mm, 100 pieces
- AE.5227** AE.5227 Glass fuses 1 A 250 V, 10 pieces
- PB.5245** Lens cleaning paper, 100 sheets per pack
- PB.5255** Immersion oil, n = 1.515 (25 ml)
- PB.5274** Isopropyl alcohol 99% (200 ml)
- PB.5275** Cleaning kit: lens cleaning fluid, lint free lens tissue, brush, air blower, cotton swabs
- PB.5276** Microscope maintenance and servicing kit, 16pcs: cleaning brush, 6 pcs screwdriver set, air blower, 3 pcs Allen key, 1.5, 2, 2.5 mm, lens cleaning fluid 20 ml, cleaning cloth 140 x 140 mm, 100 pcs Lens tissue sheets, tube of maintenance grease, 10 ml bottle of oil, packed in a nice toolbox



EC.1603-P-HLED-S ●

